

10672091_CLS
Most Frequently Occurring Classifications of Patents Returned
From A Search of 10672091 on July 28, 2004

Original Classifications

4 106/600
2 210/710
2 428/403
2 428/426
2 428/570
2 430/270.1
2 438/712
2 451/41
2 510/224
2 510/446
2 524/88

Cross-Reference Classifications

7 428/432
6 106/425
6 106/431
6 106/635
6 428/428
5 106/38.3
5 428/357
4 428/426
3 106/38.9
3 106/636
3 257/E21.304
3 427/387
3 428/403
3 428/429
3 428/913
3 510/224
3 510/298
2 75/416
2 106/31.43
2 106/31.86
2 106/412
2 106/600
2 210/725
2 210/728
2 210/912
2 210/913
2 257/E21.306
2 423/604
2 427/305
2 427/306

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2 428/34
2 428/38
2 428/404
2 428/407
2 428/425.6
2 428/425.9
2 428/550
2 438/738
2 502/301
2 502/324
2 502/325
2 502/331
2 502/336
2 502/337
2 502/338
2 502/342
2 502/346
2 502/351
2 502/354
2 502/406
2 502/408
2 510/220
2 510/376
2 510/441
2 510/446
2 523/216
2 524/430
2 524/90
2 546/49

Combined Classifications

7 428/428
7 428/432
6 106/38.3
6 106/425
6 106/431
6 106/600
6 106/635
6 428/426
5 428/357
5 428/403
5 510/224
4 428/429
4 510/446
3 106/38.9
3 106/636
3 257/E21.304
3 427/387

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3 428/913
3 510/298
2 75/416
2 106/31.43
2 106/31.58
2 106/31.86
2 106/412
2 205/125
2 210/710
2 210/725
2 210/728
2 210/912
2 210/913
2 257/E21.306
2 423/604
2 427/305
2 427/306
2 427/515
2 428/34
2 428/38
2 428/404
2 428/407
2 428/425.6
2 428/425.9
2 428/447
2 428/550
2 428/570
2 430/270.1
2 438/712
2 438/738
2 451/41
2 502/301
2 502/324
2 502/325
2 502/331
2 502/336
2 502/337
2 502/338
2 502/342
2 502/346
2 502/351
2 502/354
2 502/406
2 502/408
2 510/220
2 510/221
2 510/376
2 510/441

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2 523/216
2 524/430
2 524/88
2 524/90
2 546/49

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Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 10672091 on July 28, 2004

- 7 428/428 (1 OR, 6 XR)
 - Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
 - 428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
 - 428/426 .Of quartz or glass
 - 428/428 ..Next to another silicon containing layer
- 7 428/432 (0 OR, 7 XR)
 - Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
 - 428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
 - 428/426 .Of quartz or glass
 - 428/432 ..Next to metal or compound thereof
- 6 106/38.3 (1 OR, 5 XR)
 - Class 106 : COMPOSITIONS: COATING OR PLASTIC
 - 106/38.2 .Molds and mold coating compositions
 - 106/38.3 ..Alkali metal silicate or inorganic settable ingredient containing
- 6 106/425 (0 OR, 6 XR)
 - Class 106 : COMPOSITIONS: COATING OR PLASTIC
 - 106/400 .Pigment, filler, or aggregate compositions, e.g., stone, shale, pebbles, rock, etc.
 - 106/401 ..Composition contains identified material other than water
 - 106/419 ...Zinc compound containing (Zn)
 - 106/425Zinc oxide containing
- 6 106/431 (0 OR, 6 XR)
 - Class 106 : COMPOSITIONS: COATING OR PLASTIC
 - 106/400 .Pigment, filler, or aggregate compositions, e.g., stone, shale, pebbles, rock, etc.
 - 106/401 ..Composition contains identified material other than water
 - 106/419 ...Zinc compound containing (Zn)
 - 106/431Silicon or aluminum compound containing
- 6 106/600 (4 OR, 2 XR)
 - Class 106 : COMPOSITIONS: COATING OR PLASTIC
 - 106/600 .Alkali metal silicate containing
- 6 106/635 (0 OR, 6 XR)
 - Class 106 : COMPOSITIONS: COATING OR PLASTIC
 - 106/600 .Alkali metal silicate containing

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106/635 ..Zirconium, titanium, zinc, lead, iron, or titanium compound containing (Zr, Ti, Zn, Pb, Fe, Sn)

6 428/426 (2 OR, 4 XR)
 Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
 428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
 428/426 .Of quartz or glass

5 428/357 (0 OR, 5 XR)
 Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
 428/357 COATED OR STRUCTUALLY DEFINED FLAKE, PARTICLE, CELL, STRAND, STRAND PORTION, ROD, FILAMENT, MACROSCOPIC FIBER OR MASS THEREOF

5 428/403 (2 OR, 3 XR)
 Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
 428/357 COATED OR STRUCTUALLY DEFINED FLAKE, PARTICLE, CELL, STRAND, STRAND PORTION, ROD, FILAMENT, MACROSCOPIC FIBER OR MASS THEREOF

428/402 .Particulate matter (e.g., sphere, flake, etc.)

428/403 ..Coated

5 510/224 (2 OR, 3 XR)
 Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES, AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES OF PREPARING
 510/108 CLEANING COMPOSITIONS OR PROCESSES OF PREPARING (E.G., SODIUM BISULFATE COMPONENT, ETC.)

510/109 .For cleaning a specific substrate or removing a specific contaminant (e.g., for smoker's pipe, etc.)

510/218 ..For equipment used in processing, handling, storing, or serving edible product (e.g., dairy or brewery equipment, household utensils, etc.)

510/220 ...For use in automatic dishwasher

510/224 Solid, shaped article (e.g., tablet, briquette, pellet, etc.)

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4 428/429 (1 OR, 3 XR)
 Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
 428/411.1 COMPOSITE (NONSTRUCTURAL LAMINATE)
 428/426 .Of quartz or glass
 428/428 ..Next to another silicon containing layer
 428/429 ...As silicone, silane or siloxane

4 510/446 (2 OR, 2 XR)
 Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES,
 AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSES
 S OF
 PREPARING THE COMPOSITIONS
 510/108 CLEANING COMPOSITIONS OR PROCESSES OF PREPARIN
 G
 (E.G., SODIUM BISULFATE COMPONENT, ETC.)
 510/445 .Solid, shaped macroscopic article or structur
 e
 (e.g., pellet, film, etc.)
 510/446 ..Of compacted powdery or granular material
 (e.g., tablet, briquette, etc.)

3 106/38.9 (0 OR, 3 XR)
 Class 106 : COMPOSITIONS: COATING OR PLASTIC
 106/38.2 .Molds and mold coating compositions
 106/38.9 ..Inorganic materials only

3 106/636 (0 OR, 3 XR)
 Class 106 : COMPOSITIONS: COATING OR PLASTIC
 106/600 .Alkali metal silicate containing
 106/636 ..Particle size specified

3 257/E21.304 (0 OR, 3 XR)
 Class 257 : ACTIVE SOLID-STATE DEVICES
 257/E21.001 PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE
 OR TREATMENT OF SEMICONDUCTOR OR S
 OLID-STATE DEVICES OR OF
 PARTS THEREOF (EPO)
 257/E21.002 .Manufacture or treatment of semiconductor
 device (EPO)
 257/E21.04 ..Device having at least one potential-jump
 barrier or surface barrier, e.g., PN
 junction, depletion
 layer, carrier concentration layer (
 EPO)
 257/E21.085 ...Device having semiconductor body comprising
 Group IV elements or Group III-V comp
 ounds with or without

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PO) 257/E21.211Treatment of semiconductor body using
process other than deposition of semic
onductor material on
a substrate, diffusion or alloying of
impurity material, or
radiation treatment (EPO)
257/E21.214To change their surface-physical
characteristics or shape, e.g., etching
, polishing, cutting
(EPO)
257/E21.294Deposition/post-treatment of
noninsulating, e.g., conductive - or res
istive - layers on
insulating layers (EPO)
257/E21.3Post treatment (EPO)
257/E21.303Planarization (EPO)
257/E21.304By chemical mechanical polishing (CMP
)
(EPO)

3 427/387 (0 OR, 3 XR)
Class 427 : COATING PROCESSES
427/331 WITH POST-TREATMENT OF COATING OR COATING
MATERIAL
427/372.2 .Heating or drying (e.g., polymerizing,
vulcanizing, curing, etc.)
427/384 ..Organic coating
427/385.5 ...Resin, resin precursor, rubber, or
hardenable oil-containing coating
427/387Silicon compound containing coating

3 428/913 (0 OR, 3 XR)
Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES
428/913 MATERIAL DESIGNED TO BE RESPONSIVE TO
TEMPERATURE, LIGHT, MOISTURE, ETC.

3 510/298 (0 OR, 3 XR)
Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES,
AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSE
S OF
PREPARING THE COMPOSITIONS
510/108 CLEANING COMPOSITIONS OR PROCESSES OF PREPARIN
G
(E.G., SODIUM BISULFATE COMPONENT, ETC.
)
510/109 .For cleaning a specific substrate or removing

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a specific contaminant (e.g., for smoker
's pipe, etc.)
510/276 ..For textile material (e.g., laundry
detergent, etc.)
510/295 ...Dosing unit (e.g., detergent-impregnated
water-insoluble substrate of fabric, tissu
e, etc.)
510/298Solid, shaped article (e.g., tablet,
briquette, etc.)

2 75/416 (0 OR, 2 XR)
Class 075 : SPECIALIZED METALLURGICAL PROCESSES,
COMPOSITIONS FOR USE THEREIN, CONSOLIDATED M
ETAL POWDER
COMPOSITIONS, AND LOOSE METAL PARTICULATE MI
XTURES
75/330 PROCESSES
75/392 .Producing or treating free metal
75/414 ..At 300 degrees C or greater (e.g.,
pyrometallurgy, etc.)
75/416 ...Combined with step at less than 300 degrees
C using nonmetallic material which is liqui
d under standard
conditions (e.g., hydrometallurgy, etc.)

2 106/31.43 (0 OR, 2 XR)
Class 106 : COMPOSITIONS: COATING OR PLASTIC
106/31.01 .Marking
106/31.13 ..Inks
106/31.27 ...Organic dye containing
106/31.43Organic nitrogen compound containing

2 106/31.58 (1 OR, 1 XR)
Class 106 : COMPOSITIONS: COATING OR PLASTIC
106/31.01 .Marking
106/31.13 ..Inks
106/31.27 ...Organic dye containing
106/31.57Specified vehicle, solvent, or dispersing
medium containing
106/31.58Organic oxygen compound containing

2 106/31.86 (0 OR, 2 XR)
Class 106 : COMPOSITIONS: COATING OR PLASTIC
106/31.01 .Marking
106/31.13 ..Inks
106/31.6 ...Pigment containing
106/31.85Specified vehicle, solvent, or dispersing
medium containing

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106/31.86Organic oxygen compound containing

2 106/412 (0 OR, 2 XR)

Class 106 : COMPOSITIONS: COATING OR PLASTIC

106/400 .Pigment, filler, or aggregate compositions,
e.g., stone, shale, pebbles, rock, etc.

106/401 ..Composition contains identified material
other than water

106/410 ...Phthalocyanine or derivative containing

106/412Special process of milling, grinding,
comminuting, plural stage or zone mixing or

product

2 205/125 (1 OR, 1 XR)

Class 205 : ELECTROLYSIS: PROCESSES, COMPOSITIONS USED
THEREIN, AND METHODS OF PREPARING THE COMP

OSITIONS

205/80 ELECTROLYTIC COATING (PROCESS, COMPOSITION AND
METHOD OF PREPARING COMPOSITION)

205/118 .Coating selected area

205/122 ..Specified product produced

205/125 ...Product is circuit board or printed circuit

2 210/710 (2 OR, 0 XR)

Class 210 : LIQUID PURIFICATION OR SEPARATION

210/600 PROCESSES

210/702 .Making an insoluble substance or accreting
suspended constituents

210/710 ..Treating the insoluble substance

2 210/725 (0 OR, 2 XR)

Class 210 : LIQUID PURIFICATION OR SEPARATION

210/600 PROCESSES

210/702 .Making an insoluble substance or accreting
suspended constituents

210/723 ..Utilizing precipitant, flocculant, or
coagulant, each with accelerator or with

each other or

plural precipitants, flocculants, or coag

ulants

210/724 ...Regulating pH

210/725Utilizing organic precipitant

2 210/728 (0 OR, 2 XR)

Class 210 : LIQUID PURIFICATION OR SEPARATION

210/600 PROCESSES

210/702 .Making an insoluble substance or accreting

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suspended constituents
210/723 ..Utilizing precipitant, flocculant, or
coagulant, each with accelerator or with e
ach other or
plural precipitants, flocculants, or coagu
lants
210/728 ...Including organic agent

2 210/912 (0 OR, 2 XR)
Class 210 : LIQUID PURIFICATION OR SEPARATION
210/902 MATERIALS REMOVED
210/911 .Cumulative poison
210/912 ..Heavy metal

2 210/913 (0 OR, 2 XR)
Class 210 : LIQUID PURIFICATION OR SEPARATION
210/902 MATERIALS REMOVED
210/911 .Cumulative poison
210/912 ..Heavy metal
210/913 ...Chromium

2 257/E21.306 (0 OR, 2 XR)
Class 257 : ACTIVE SOLID-STATE DEVICES
257/E21.001 PROCESSES OR APPARATUS ADAPTED FOR MANUFACTURE
OR TREATMENT OF SEMICONDUCTOR OR S
OLID-STATE DEVICES OR OF
PARTS THEREOF (EPO)
257/E21.002 .Manufacture or treatment of semiconductor
device (EPO)
257/E21.04 ..Device having at least one potential-jump
barrier or surface barrier, e.g., PN
junction, depletion
layer, carrier concentration layer (EPO)
257/E21.085 ...Device having semiconductor body comprising
Group IV elements or Group III-V comp
ounds with or without
impurities, e.g., doping materials (EPO)
257/E21.211Treatment of semiconductor body using
process other than deposition of semic
onductor material on
a substrate, diffusion or alloying of
impurity material, or
radiation treatment (EPO)
257/E21.214To change their surface-physical
characteristics or shape, e.g., etching

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, polishing, cutting

(EPO)

257/E21.294Deposition/post-treatment of
noninsulating, e.g., conductive - or res
istive - layers on

insulating layers (EPO)

257/E21.3Post treatment (EPO)

257/E21.305Physical or chemical etching of layer,
e.g., to produce a patterned layer from pr
e-deposited

extensive layer (EPO)

257/E21.306By physical means only (EPO)

2 423/604 (0 OR, 2 XR)

Class 423 : CHEMISTRY OF INORGANIC COMPOUNDS

423/579 OXYGEN OR COMPOUND THEREOF

423/592.1 .Metal containing

423/604 ..Group IB metal (Cu, Ag, or Au)

2 427/305 (0 OR, 2 XR)

Class 427 : COATING PROCESSES

427/299 WITH PRETREATMENT OF THE BASE

427/301 .Preapplied reactant or reaction promoter or
hardener (e.g., catalyst, etc.)

427/304 ..Metal coating (e.g., electroless deposition,
etc.)

427/305 ...Nickel, copper, cobalt, or chromium coating

2 427/306 (0 OR, 2 XR)

Class 427 : COATING PROCESSES

427/299 WITH PRETREATMENT OF THE BASE

427/301 .Preapplied reactant or reaction promoter or
hardener (e.g., catalyst, etc.)

427/304 ..Metal coating (e.g., electroless deposition,
etc.)

427/305 ...Nickel, copper, cobalt, or chromium coating

427/306Organic base

2 427/515 (1 OR, 1 XR)

Class 427 : COATING PROCESSES

427/457 DIRECT APPLICATION OF ELECTRICAL, MAGNETIC,
WAVE, OR PARTICULATE ENERGY

427/487 .Polymerization of coating utilizing direct
application of electrical, magnetic, wave
, or particulate
energy (i.e., including cross-linking, cu

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ring, and

427/508 hardening of organics)
d ..Low energy electromagnetic radiation utilize

(e.g., UV, visible, IR, microwave, radio wave, actinic,
laser, etc.)

427/515 ...Organosilicon containing coating material

2 428/34 (0 OR, 2 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES

428/34 LIGHT TRANSMISSIVE SHEETS, WITH GAS SPACE

THEREBETWEEN AND EDGE SEALED (E.G., DOUBLE

GLAZED STORM

WINDOW, ETC.)

2 428/38 (0 OR, 2 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES

428/38 MASS TRANSMISSIVE OF LIGHT THROUGH ALL LAYERS

AND HAVING OPAQUE BORDER (E.G., STAINED GLASS, WIRED GLASS,

ETC.)

2 428/404 (0 OR, 2 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES

428/357 COATED OR STRUCTUALLY DEFINED FLAKE, PARTICLE,

CELL, STRAND, STRAND PORTION, ROD, FILAMENT, MACROSCOPIC

ENT, MACROSCOPIC

FIBER OR MASS THEREOF

428/402 .Particulate matter (e.g., sphere, flake, etc.)

)

428/403 ..Coated

428/404 ...Silicic or refractory material containing
(e.g., tungsten oxide, glass, cement, etc.)

2 428/407 (0 OR, 2 XR)

Class 428 : STOCK MATERIAL OR MISCELLANEOUS ARTICLES

428/357 COATED OR STRUCTUALLY DEFINED FLAKE, PARTICLE,

CELL, STRAND, STRAND PORTION, ROD, FILAMENT, MACROSCOPIC

ENT, MACROSCOPIC

FIBER OR MASS THEREOF

428/402 .Particulate matter (e.g., sphere, flake, etc.)

)

428/403 ..Coated

428/407 ...Including synthetic resin or polymer

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2  428/425.6      (0 OR, 2 XR)
    Class  428 :  STOCK MATERIAL OR MISCELLANEOUS ARTICLES
    428/411.1      COMPOSITE (NONSTRUCTURAL LAMINATE)
    428/423.1      .Of polyamidoester (polyurethane,
                    polyisocyanate, polycarbamate, etc.)
    428/425.5      ..Next to silicon-containing (silicone, cement
                    etc.) layer
    428/425.6      ...Quartz or glass

2  428/425.9      (0 OR, 2 XR)
    Class  428 :  STOCK MATERIAL OR MISCELLANEOUS ARTICLES
    428/411.1      COMPOSITE (NONSTRUCTURAL LAMINATE)
    428/423.1      .Of polyamidoester (polyurethane,
                    polyisocyanate, polycarbamate, etc.)
    428/425.9      ..Particulate metal or metal
                    compound-containing

2  428/447        (1 OR, 1 XR)
    Class  428 :  STOCK MATERIAL OR MISCELLANEOUS ARTICLES
    428/411.1      COMPOSITE (NONSTRUCTURAL LAMINATE)
    428/446        .Of silicon containing (not as silicon alloy)

    428/447        ..As siloxane, silicone or silane

2  428/550        (0 OR, 2 XR)
    Class  428 :  STOCK MATERIAL OR MISCELLANEOUS ARTICLES
    428/544        ALL METAL OR WITH ADJACENT METALS
    428/546        .Having metal particles
    428/548        ..Composite; i.e., plural, adjacent, spatially
                    distinct metal components (e.g., layers, e
tc.)
    428/550        ...Porous component

2  428/570        (2 OR, 0 XR)
    Class  428 :  STOCK MATERIAL OR MISCELLANEOUS ARTICLES
    428/544        ALL METAL OR WITH ADJACENT METALS
    428/570        .Composite powder (e.g., coated, etc.)

2  430/270.1      (2 OR, 0 XR)
    Class  430 :  RADIATION IMAGERY CHEMISTRY: PROCESS,
                    COMPOSITION, OR PRODUCT THEREOF
    430/269        IMAGING AFFECTING PHYSICAL PROPERTY OF
                    RADIATION SENSITIVE MATERIAL, OR PRODUCING
NONPLANAR OR
                    PRINTING SURFACE - PROCESS, COMPOSITION, O
R PRODUCT

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430/270.1 .Radiation sensitive composition or product or
process of making

2 438/712 (2 OR, 0 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/689 CHEMICAL ETCHING
438/706 .Vapor phase etching (i.e., dry etching)
438/707 ..Utilizing electromagnetic or wave energy
438/710 ...By creating electric field (e.g., plasma,
glow discharge, etc.)
438/712Reactive ion beam etching (i.e., RIBE)

2 438/738 (0 OR, 2 XR)
Class 438 : SEMICONDUCTOR DEVICE MANUFACTURING: PROCESS

438/689 CHEMICAL ETCHING
438/706 .Vapor phase etching (i.e., dry etching)
438/735 ..Differential etching of semiconductor
substrate
438/737 ...Substrate possessing multiple layers
438/738Selectively etching substrate possessing
multiple layers of differing etch character

istics

2 451/41 (2 OR, 0 XR)
Class 451 : ABRADING
451/28 ABRADING PROCESS
451/41 .Glass or stone abrading

2 502/301 (0 OR, 2 XR)
Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING
502/100 CATALYST OR PRECURSOR THEREFOR
502/300 .Metal, metal oxide or metal hydroxide
502/301 ..Raney type

2 502/324 (0 OR, 2 XR)
Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING
502/100 CATALYST OR PRECURSOR THEREFOR
502/300 .Metal, metal oxide or metal hydroxide
502/324 ..Of manganese

2 502/325 (0 OR, 2 XR)
Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING
502/100 CATALYST OR PRECURSOR THEREFOR

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- 502/300 .Metal, metal oxide or metal hydroxide
 502/325 ..Of Group VIII (i.e., iron or platinum group)
- 2 502/331 (0 OR, 2 XR)
 Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
 PRODUCT OR PROCESS OF MAKING
 502/100 CATALYST OR PRECURSOR THEREFOR
 502/300 .Metal, metal oxide or metal hydroxide
 502/325 ..Of Group VIII (i.e., iron or platinum group)
 502/330 ...And Group I metal containing (i.e., alkali,
 Ag, Au or Cu)
 502/331Copper containing
- 2 502/336 (0 OR, 2 XR)
 Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
 PRODUCT OR PROCESS OF MAKING
 502/100 CATALYST OR PRECURSOR THEREFOR
 502/300 .Metal, metal oxide or metal hydroxide
 502/325 ..Of Group VIII (i.e., iron or platinum group)
 502/332 ...And Group III metal containing (i.e., Sc, Y
 Al, Ga, In or Tl)
 502/336Of iron
- 2 502/337 (0 OR, 2 XR)
 Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
 PRODUCT OR PROCESS OF MAKING
 502/100 CATALYST OR PRECURSOR THEREFOR
 502/300 .Metal, metal oxide or metal hydroxide
 502/325 ..Of Group VIII (i.e., iron or platinum group)
 502/337 ...Of nickel
- 2 502/338 (0 OR, 2 XR)
 Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
 PRODUCT OR PROCESS OF MAKING
 502/100 CATALYST OR PRECURSOR THEREFOR
 502/300 .Metal, metal oxide or metal hydroxide
 502/325 ..Of Group VIII (i.e., iron or platinum group)
 502/338 ...Of iron
- 2 502/342 (0 OR, 2 XR)
 Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
 PRODUCT OR PROCESS OF MAKING

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502/100 CATALYST OR PRECURSOR THEREFOR

502/300 .Metal, metal oxide or metal hydroxide

502/340 ..Of Group II (i.e., alkaline earth, Be, Mg, Zn, Cd or Hg)

502/341 ...And Group III metal containing (i.e., Sc, Y

Al, Ga, In or Tl)

502/342Of zinc

2 502/346 (0 OR, 2 XR)

Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING

502/100 CATALYST OR PRECURSOR THEREFOR

502/300 .Metal, metal oxide or metal hydroxide

502/344 ..Of Group I (i.e., alkali, Ag, Au or Cu)

502/345 ...Of copper

502/346And Group III metal containing (i.e., Sc, Y, Al, Ga, In or Tl)

2 502/351 (0 OR, 2 XR)

Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING

502/100 CATALYST OR PRECURSOR THEREFOR

502/300 .Metal, metal oxide or metal hydroxide

502/349 ..Of Group IV (i.e., Ti, Zr, Hf, Ge, Sn or Pb)

502/350 ...Of titanium

502/351And Group III metal containing (i.e., Sc, Y, Al, Ga, In or Tl)

2 502/354 (0 OR, 2 XR)

Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING

502/100 CATALYST OR PRECURSOR THEREFOR

502/300 .Metal, metal oxide or metal hydroxide

502/353 ..Of Group V (i.e., V, Nb, Ta, As, Sb or Bi)

502/354 ...And Group III metal containing (i.e., Sc, Y

Al, Ga, In or Tl)

2 502/406 (0 OR, 2 XR)

Class 502 : CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR:
PRODUCT OR PROCESS OF MAKING

502/400 SOLID SORBENT

502/406 .Having specifically intended extraneously
added iron group (i.e., Fe, Co, Ni) compone

nt

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2	502/408	(0 OR, 2 XR)	
	Class	502 :	CATALYST, SOLID SORBENT, OR SUPPORT THEREFOR: PRODUCT OR PROCESS OF MAKING
	502/400		SOLID SORBENT
	502/407		.Silicon containing
	502/408		..Acid treated
2	510/220	(0 OR, 2 XR)	
	Class	510 :	CLEANING COMPOSITIONS FOR SOLID SURFACES, AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSE
S	OF		PREPARING THE COMPOSITIONS
	510/108		CLEANING COMPOSITIONS OR PROCESSES OF PREPARIN
G			(E.G., SODIUM BISULFATE COMPONENT, ETC.)
	510/109		.For cleaning a specific substrate or removing a specific contaminant (e.g., for smoker`
s pipe, etc.)	510/218		..For equipment used in processing, handling, storing, or serving edible product (e.g.,
dairy or brewery			equipment, household utensils, etc.)
	510/220		...For use in automatic dishwasher
2	510/221	(1 OR, 1 XR)	
	Class	510 :	CLEANING COMPOSITIONS FOR SOLID SURFACES, AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSE
S	OF		PREPARING THE COMPOSITIONS
	510/108		CLEANING COMPOSITIONS OR PROCESSES OF PREPARIN
G			(E.G., SODIUM BISULFATE COMPONENT, ETC.
)	510/109		.For cleaning a specific substrate or removing a specific contaminant (e.g., for smoker
`s pipe, etc.)	510/218		..For equipment used in processing, handling, storing, or serving edible product (e.g.,
dairy or brewery			equipment, household utensils, etc.)
	510/220		...For use in automatic dishwasher
	510/221	Liquid, paste, or gel (e.g., slurry, etc.)
2	510/376	(0 OR, 2 XR)	
	Class	510 :	CLEANING COMPOSITIONS FOR SOLID SURFACES, AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSE

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S OF

PREPARING THE COMPOSITIONS
CLEANING COMPOSITIONS OR PROCESSES OF PREPARIN

G

(E.G., SODIUM BISULFATE COMPONENT, ETC.)

510/367 .With oxygen or halogen containing chemical
bleach or oxidant component

510/375 ..The bleach or oxidant component contains
peroxy

510/376 ...With heavy metal, nitrogen, or oxygen
containing activator, catalyst, or precursor

r

2 510/441 (0 OR, 2 XR)

Class 510 : CLEANING COMPOSITIONS FOR SOLID SURFACES,
AUXILIARY COMPOSITIONS THEREFOR, OR PROCESSE

S OF

PREPARING THE COMPOSITIONS
CLEANING COMPOSITIONS OR PROCESSES OF PREPARIN

G

(E.G., SODIUM BISULFATE COMPONENT, ETC.)

510/438 .Heterogeneous arrangement (e.g., mixture of
macroscopic particles differing in physical

l or chemical

composition, etc.; liquid component encaps

ulated in or

sorbed on solid material, etc.)

510/441 ..Coated or encapsulated solid material, or
process of preparing

2 523/216 (0 OR, 2 XR)

Class 523 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

523/1 .PROCESSES OF PREPARING A DESIRED OR
INTENTIONAL COMPOSITION OF AT LEAST ONE N

ONREACTANT

MATERIAL AND AT LEAST ONE SOLID POLYMER O

R SPECIFIED

INTERMEDIATE CONDENSATION PRODUCT, OR PRO

DUCT THEREOF

523/200 ..Process of forming a composition of a solid
polymer or solid polymer forming system by

admixing a

product in the form of a surface coated, i

mpregnated,

encapsulated, or surface modified fiber, s

heet, particle,

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ich is the result

or web, with a material; or composition wh

of said admixing

523/216 ...Product having a silicon atom

2 524/430 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate condens
ation product,

composition thereof; or process of treat
ing or composition
thereof

524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohydro
carbon,

hydrocarbon, or elemental carbon
524/401Inorganic compound devoid of a silicon ato
m

DNRM

524/430A single type of metal atom and only
oxygen atoms DNRM, e.g., metal oxide, etc.

2 524/88 (2 OR, 0 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

524/1 ..Adding a NRM to a preformed solid polymer or
preformed specified intermediate conde
nsation product,

composition thereof; or process of tre
ating or composition
thereof

524/80 ...DNRM which is other than silicon dioxide,
glass, titanium dioxide, water, halohyd
rocarbon,

hydrocarbon, or elemental carbon

524/81Organic DNRM

524/86Nitrogen atom as part of a hetero ring
DNRM

524/87Nitrogen ring directly fused or bridged
to a ring system

524/88Tetrabenzoporphyrine nucleus
containing, e.g., phthalocyanine, etc.

2 524/90 (0 OR, 2 XR)

Class 524 : SYNTHETIC RESINS OR NATURAL RUBBERS -- PART
OF THE CLASS 520 SERIES

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524/1 ...Adding a NRM to a preformed solid polymer or
 ensation product, preformed specified intermediate cond
 eating or composition composition thereof; or process of tr
 thereof

524/80 ...DNRM which is other than silicon dioxide,
 drocarbon, glass, titanium dioxide, water, halohy
 hydrocarbon, or elemental carbon

524/81Organic DNRM

524/86Nitrogen atom as part of a hetero ring
 DNRM

524/87Nitrogen ring directly fused or bridged
 to a ring system

524/89Nitrogen ring is part of a ring system
 having three or more rings fused or bridge

d together

524/90Nitrogen ring is part of a ring system
 having five or more rings fused or bridged

together

2 546/49 (0 OR, 2 XR)

Class 546 : ORGANIC COMPOUNDS -- PART OF THE CLASS
 532-570 SERIES

546/1 ..Hetero ring is six-membered consisting of on
 e nitrogen and five carbons

546/26 ...Polycyclo ring system having the
 six-membered hetero ring as one of the c

yclos

546/42Pentacyclo ring system having the
 six-membered hetero ring as one of the cy

clos

546/47Plural ring hetero atoms in the pentacycl
 o ring system

546/49Two ring nitrogens in the pentacyclo rin
 g system (e.g., quinacridones, etc.)